DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior	Foreign	Appl	lication	(s)	1:
		I- I		(-,	•

Priority Claimed
Yes No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	May 30. 1997	60/044,039
2.	May 30, 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356
7.	August 29, 1997	60/056,250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international 'application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/10868	May 28, 1998	 pending	İ
(Application Serial No.)	(Filing Date)	(Status: patented,	pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.



Full name of first joint inventor: Steven M. Ruben		
Inventor's signature: Residence: 18528 Heritage Hills Drive, Olney, MD 20832 Post Office Address: same as above	Date: 5/ Citizenship:	ul 95 US
Full name of first joint inventor: Craig A. Rosen		
Inventor's signature: Residence: 22400 Rolling Hill Road/Laytonsville, MD 20882 Post Office Address: same as above	Date: Citizenship: /	<u>US</u>
Full name of additional joint inventor: Kenneth C. Carter		
Inventor's signature: Residence: 11601 Brandy Hall Lane, North Potomac, MD 20878 Post Office Address: same as above	Date: Citizenship:	US
Full name of first joint inventor: Patrick J. Dillon		
Inventor's signature: Residence: 1055 Snipe Court, Carlsbad, CA 92009	Date: Citizenship:	US
Post Office Address: same as above	*	
Full name of additional joint inventor: Gregory A. Endress		
Inventor's signature: Residence: 9729 Clagett Farm Drive, Potomac, MD 20954 Post Office Address: same as above	Date: Citizenship:	US
Full name of additional joint inventor: Guo-Liang Yu		
Inventor's signature:	Date:	
Residence: 242 Gravatt Dr., Berkeley, California 94705	Citizenship:	CN



Full name of first joint inventor:	Jian Ni	
Inventor's signature: Residence: 5502 Manorfield Road, Post Office Address: same as a		Date: 188 Citizenship: CN
Post Office Address: same as a	bove 2	
Full name of additional joint inventor:	Ping Feng	·
Inventor's signature:	piner reus	Date: 5/24/99
Residence: 4 Relda Court, Gaithers	wirg, MD 20878	Citizenship: EN U.
Post Office Address: same as above	ve	

Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850 Tel: 301-309-8504 Fax: 301-309-8439

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed Yes No

(Number)

(Country)

(Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	May 30, 1997	60/044,039
2.	May 30, 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356
7.	August 29, 1997	60/056,250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/10868

(Application Serial No.)

May 28, 1998

(Filing Date)

pending

(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

Full name of first joint inventor: Steven M. Ruben		
		,
Inventor's signature:	Date:	
Residence: 18528 Heritage Hills Drive, Olney, MD 20832	Citizenship:	US
Post Office Address: same as above		
Full name of first joint inventor: Craig A. Rosen		
-		
Inventor's cignature	ъ.	
Inventor's signature: Residence: 22400 Rolling Hill Road, Laytonsville, MD 20882	Date:	
Post Office Address: same as above	Citizenship:	US
same as above	····	
, <i>"</i>		
Full name of additional joint inventor: Kenneth C. Carter		
		45
Inventor's signature:	Date: //	90
Residence: 11601 Brandy Half Lane, North Potomac, MD 20878	Citizenship:	MYC
Post Office Address: same as above	- Chizenship:	108
same as above		
	•	
Full name of first joint inventor: Patrick J. Dillon		
Inventor's signature:	Detai	
Residence: 1055 Snipe Court, Carlsbad, CA 92009	Date:	TIC
Post Office Address: same as above	Citizenship:	US
Same as above		
	•	
Full name of additional joint inventor: Gregory A. Endress		
	÷.	
Inventor's signature:	Date:	
Residence: 9729 Clagett Farm Drive, Potomac, MD 20954	Citizenship:	US
Post Office Address: same as above	_ o.t.Lononp.	
73 B)	•	
Full name of additional joint inventor: Guo-Liang Yu		
Inventor's signature:	Date:	
Residence: 242 Gravatt Dr., Berkeley, California 94705	Citizenship:	CN
Post Office Address: same as above	_	

Full name of first joint inventor:	Jian Ni		
Inventor's signature:		Date:	
Residence: 5502 Manorfield Road	, Rockville, MD 20853	Citizenship:	CN
Post Office Address: same as	above		
	. •	· .	
Full name of additional joint inventor:	Ping Feng		
		,	•
Inventor's signature:		Date:	
Residence: 4 Relda Court, Gaither		Citizenship:	US
Post Office Address: same as ab	ove		

Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850 Tel: 301-309-8504 Fax: 301-309-8439

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):		The state of the s	•	
			Priority C	laimed
			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	May 30, 1997	60/044,039
2.	May 30, 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356-
7.	August 29, 1997	60/056;250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/10868 May 28, 1998 pending
(Application Serial No.) (Filing Date) (Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

Full name of first joint inventor:	Steven M. Ruben		
*		-	_
Inventor's signature:		Date:	
	Drive, Olney, MD 20832	Citizenship:	US
Post Office Address: same as	above		
Full name of first joint inventor:	Craig A. Rosen		
i i i i i i i i i i i i i i i i i i i	Clarg 13. Acoch		
•			
Inventor's signature:		Date:	
	ad, Laytonsville, MD 20882	Citizenship:	US
Post Office Address: same as	above		
	·		
·			
Full name of additional joint inventor:	Kenneth C. Carter		
*		75 .	
Inventor's signature:	W 1 D 1 MD 20070	Date:	· • • • • • • • • • • • • • • • • • • •
Residence: 11601 Brandy Hall La Post Office Address: same as ab		Citizenship:	US
Post Office Address: same as ab	ove		
	•		
,			
Full name of first joint inventor:	Patrick J. Dillon		
1/1			1 10
Inventor's signatures	The IX IV. Mw	Date: 06/	13499
Inventor's signature: 2/4/4/C Residence: 1055 Snipe Court, Car	John CAVO2000	Citizenship:	<u> </u>
Post Office Address: same as		Citizensinp.y	703
Tost Office Address.	above J		
•	·		
Full name of additional joint inventor:	Gregory A. Endress	<u> </u>	
Inventor's signature:		Date:	
	ve, Potomac, MD 20954	Citizenship:	US
Post Office Address: same as ab			
) James do do			
•	. '		
Full name of additional joint inventor:	Guo-Liang Yu	· · · · · · · · · · · · · · · · · · ·	
	•	•	
Inventor's signature:	•	Date:	
	eley, California 94705	Citizenship:	CN
Post Office Address: same as ah			

Full name of first joint inventor:	Jian Ni		·
Inventor's signature:		Date:	
	d, Rockville, MD 20853	Citizenship:	CN
Post Office Address: same as	s above		
Full name of additional joint inventor:	Ping Feng		
Inventor's signature: Residence: 4 Relda Court, Gaithe Post Office Address: same as al		Date: Citizenship:	US
same as at	0076		

Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850 Tel: 301-309-8504 Fax: 301-309-8439

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):	: *		Priority Cla Yes	aimed No
(Number)	(Country)	(Day/Month/Year Filed)	•	

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	May 30, 1997	60/044,039
2.	May 30, 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356
7.	August 29, 1997	60/056,250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/10868	May 28, 1998	pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302), James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

Full name of first joint inventor:	Steve	en M. Ruben			
			•		
Inventor's signature:				Date:	
Residence: 18528 Heritage Hil		lney, MD 20832	2	Citizenship:	US
Post Office Address: same	as above			-	
	,				
Full name of first joint inventor:	_Crai	g A. Rosen			
			-		
Inventor's signature:	•			Date:	
Residence: 22400 Rolling Hill	Road, Layt	onsville, MD 2	0882	Citizenship:	US
	as above			_	
	•				
Full name of additional joint invento	r:	Kenneth C. C	Carter		
		•			
Inventor's signature:				Date:	
Residence: 11601 Brandy Hall	Lane Nort	th Potomac MI	20878	Citizenship:	US
Post Office Address: same as		in rotomao, wii		Citizonismp.	
		······			
•		•			
Full name of first joint inventor:	Patri	ick J. Dillon			
•					
Inventor's signature:		•		Date:	,
Residence: 1055 Snipe Court, (Carlsbad, C	A 92009		Citizenship:	US
	as above				
Full name of additional joint invento	r:	Gregory A. I	Endress		a si
z die manie de addresonas Johne Medite	Ī.	Gregory A. I			ASSESSED NO.
<i>y</i>	1.	M 01			
Inventor's signature:	Lucy	-Cl Euch	in and	Date:	3199
Residence: 9729 Clagett Farm	Drive, Polo	mac, MD 2095	4-20854		US
Post Office Address: same as				* *	
}	**************************************				
Tull name of additional isint in		Cua Liana Y	7		
Full name of additional joint invento)r:	Guo-Liang Y	(u		
	•				
Inventor's signature:		ì		Date:	
Residence: 242 Gravatt Dr., B	erkelev. Ca	alifornia 94705	<u>, , , , , , , , , , , , , , , , , , , </u>	Citizenship:	CN
Post Office Address: same as				•	

Full name of first joint inventor:	Jian Ni			· · · · · · · · · · · · · · · · · · ·
Inventor's signature:			Date:	
Residence: 5502 Manorfield Road	d, Rockville, MD 20853		Citizenship:	CN
Post Office Address: same as	s above	······································		
Full name of additional joint inventor:	Ping Feng			
•		,		
Y				
Inventor's signature:		*	Date:	•
Residence: 4 Relda Court, Gaithe	ersburg, MD 20878		Date: Citizenship:	US



DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

32 Human Secreted Proteins

the specification of which is filed on November 10, 1998 as Application Serial No. 09/189,144.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):	*		}	
		-	Priority-	Claimed
		· ··	Yes	No
	-/0			
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln No.
1.	May 30, 1997	60/044,039
2.	May 30, 1997	60/048,093
3.	May 30, 1997	60/048,190
4.	May 30, 1997	60/050,935
5.	May 30, 1997	60/048,101
6.	May 30, 1997	60/048,356
7.	August 29, 1997	60/056,250
8.	August 29, 1997	60/056,296
9.	August 29, 1997	60/056,293

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT/US98/10868	May 28, 1998	pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: A. Anders Brookes (Reg. No. 36,373), Kenley K. Hoover (Reg. No. 40,302); James H. Davis (Reg. No. 40,582), Joseph J. Kenny (Reg. No. 43,710) and Michele M. Wales (Reg. No. 43,975) all of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850





Full name of first joint inventor:	Steven M. Ruben		
•		.	
Inventor's signature:		Date:	
Residence: 18528 Heritage Hills Dr		Citizenship:	US
Post Office Address: same as a	bove		
;			
Full name of first joint inventor:	Craig A. Rosen		
•		•	
Inventor's signature:		Date:	
	d, Laytonsville, MD 20882	Citizenship:	US
Post Office Address: same as a	bove		
i			
Full name of additional joint inventor:	Kenneth C. Carter		
To some de al conserva		Data	
Inventor's signature:	e, North Potomac, MD 20878	Date:	US
		Citizenship:	US
Post Office Address: same as abo	VC		
Full name of first joint inventor:	Patrick J. Dillon	•	
Inventor's signature:		Date:	
Residence: 1055 Snipe Court, Carls	bad CA 02000	Citizenship:	US
Post Office Address: same as a		Chizonship.	_05
Fost Office Address. Same as a	loove		
•			
Full name of additional joint inventor:	Gregory A. Endress		
•			
Inventor's signature:		Date:	
Residence: 9729 Clagett Farm Driv	e, Potomac, MD 20954	Citizenship:	US
Post Office Address: same as abo		-	
1	**	······	
· · · · · · · · · · · · · · · · · · ·			
Full name of additional joint inventor:	Guo-Liang Yu		
_			ASSES TO SERVICE STATE OF THE PARTY OF THE P
		7/23	199
Inventor's signature:		Date: '/	, , , ,
Residence: 242 Gravatt Dr., Berke		Citizenship:	CN
Post Office Address: same as abo	ve		





Full name of first joint inve	entor:	Jian Ni		
Inventor's signature:	•		Date:	
Residence: 5502 Man	orfield Road, I	Rockville, MD 20853	Citizenship:	CN
Post Office Address:	same as al	oove	*	
Full name of additional join	nt inventor:	Ping Feng		
Inventor's signature:			Date:	
Residence: 4 Relda C	ourt, Gaithersb	ourg, MD 20878	Citizenship:	US
Post Office Address:	same as abov	re		